

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))Docket No.
HAL-11303/04In Re Application Of: **Toshiharu NOGI et al.**

Serial No.

Filing Date

Examiner

Group Art Unit

Title: **COLD START ENGINE CONTROL APPARATUS AND METHOD**

Address to:

Assistant Commissioner for Patents
Washington, D.C. 20231**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
 2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 07-1180 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____) on

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Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

***This certificate may only be used if paying by deposit account.**

Dated: **4/20/01**

Douglas W. Sprinkle
Signature

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CC:

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,894,832
DATED : April 20, 1999
INVENTOR(S) : Toshiharu Nogi et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4, line 11 - Replace "is" with --are--.
Column 4, line 60 - Replace "passed" with --past--.
Column 6, line 13 - Replace "1" with --1-f--.
Column 6, line 33 - Insert -- of the -- after "ane".
Column 8, line 8 - Replace "18" with --13--.
Column 8, line 10 - Replace "22" with --23--.
Column 8, line 16 - Replace "22" with --23--.
Column 10, line 27 - Replace "pulses" with --pulse--.
Column 12, line 13 - Replace "affected" with --effected--.
Column 12, line 56 - Replace "passed" with --past--.
Column 13, line 33 - Replace "passed" with --past--.
Column 13, line 36 - Replace "heater" with --heating--.
Column 13, line 38 - Replace "heater" with --heating--.
Column 13, line 41 - Replace "heater" with --heating--.
Column 13, line 46 - Replace "a n" with --an--.
Column 13, line 49 - Replace "heater" with --heating--.
Column 14, line 31 - Insert --occurs-- after "Injectars".
Column 15, line 32 - Insert --occurs-- after "Injectors".
Column 16, line 25 - Replace "maxlimum" with --steady state--.
Column 16, line 25 - Insert --level-- after "current".
Column 16, line 35 - Insert --occurs-- after "Injectors".

Signed and Sealed this
Fourth Day of January, 2000

Attest:



Attesting Officer

Acting Commissioner of Patents and Trademarks

11000 U.S. PTO
09/839837
04/20/01

#4

TO
11000 U.S.
09/83983
04/20/01

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

HAL-11303/04

Application Number

Applicant(s)

Toshiharu Nogi et al.

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,587,941	5/1986	Mishina et al.	123	550	
		4,627,405	12/1986	Imhof et al.	123	549	
		5,224,456	7/1993	Hosoda et al.	123	520	
		5,315,975	5/1994	Hattori et al.	123	337	
		5,322,043	6/1994	Shriner et al.	123	306	
		5,394,857	3/1995	Yanakawa	13	686	
		5,465,701	11/1995	Hunt	123	531	
		5,482,023	1/1996	Hunt et al.	123	491	
		5,529,035	6/1996	Hunt et al.	123	179.15	
		5,598,826	2/1997	Hunt et al.	123	491	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

SAE 880558. Nogi et al.: Mixture Formation of Fuel Injection Systems in Gasoline Engines: Feb. 29-March 4, 1988.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.